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FILE COVERS 1907 - 7 Feb 2008 VOL 148 ISS 7

FILE LAST UPDATED: 7 Feb 2008 (20080207/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s benzenesulfonylcarbomoyl and (erythromycin or azithromycin or homoerythromycin)

0 BENZENESULFONYLCARBOMOYL
18623 ERYTHROMYCIN
3796 AZITHROMYCIN
99 HOMOERYTHROMYCIN

L1 0 BENZENESULFONYLCARBOMOYL AND (ERYTHROMYCIN OR AZITHROMYCIN OR HOMOERYTHROMYCIN)

=> s benzenesulfonyl and carbamoyl

9083 BENZENESULFONYL
24918 CARBAMOYL

L2 291 BENZENESULFONYL AND CARBAMOYL

=> s 12 and (erythromycin or azithromycin or homoerythromycin)
18623 ERYTHROMYCIN
3796 AZITHROMYCIN
99 HOMOERYTHROMYCIN
L3 2 L2 AND (ERYTHROMYCIN OR AZITHROMYCIN OR HOMOERYTHROMYCIN)

=> d 13 1-2

L3 ANSWER 1 OF 2 CA COPYRIGHT 2008 ACS on STN
AN 140:407071 CA
TI Substituted 9a-N-[N'-(benzenesulfonyl)carbamoyl
-y-aminopropyl] and 9a-N-[N'-(b-cyanoethyl)-N'-(benzenesulfonyl)
carbamoyl-y-aminopropyl] derivatives of 9-de-oxo-9-dihydro-9a-aza-
9a-homo-erythromycin A and 5-O-desosaminyl-9-de-oxo-9-dihydro-9a-
aza-homo-erythronolide A
IN Kujundzic, Nedjeljko; Bukvic Krajacic, Mirjana; Brajsa, Karmen
PA Pliva D.D., Croatia
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004043984	A1	20040527	WO 2003-HR57	20031110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2506573	A1	20040527	CA 2003-2506573	20031110
	AU 2003276487	A1	20040603	AU 2003-276487	20031110
	EP 1562966	A1	20050817	EP 2003-811033	20031110
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1711277	A	20051221	CN 2003-80103050	20031110
	JP 2006507314	T	20060302	JP 2004-550853	20031110
	IN 2005CN01192	A	20070810	IN 2005-CN1192	20050610
	US 2007270356	A1	20071122	US 2005-534261	20051130
	HK 1086576	A1	20070727	HK 2006-106516	20060607
PRAI	HR 2002-886	A	20021111		
	WO 2003-HR57	W	20031110		

OS MARPAT 140:407071

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CA COPYRIGHT 2008 ACS on STN
AN 137:201527 CA
TI Preparation of 9a-N-[N'-(phenylsulfonyl)carbamoyl] derivatives
of 9-deoxo-9-dihydro-9a-aza-9a-homoerythromycin A and of
5-O-desosaminyl-9-deoxo-9-dihydro-9a-aza-9a-homoerythronolide A as
antibacterial agents
IN Kujundzic, Nedjeljko; Bukvic Krajacic, Mirjana; Domic, Miljenko;
Hasenohrl, Andrea
PA Pliva D.D., Croatia
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002068438	A2	20020906	WO 2002-HR10	20020227
	WO 2002068438	A3	20040226		
	W: AU, BA, CN, CZ, EE, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, PL, RO, SI, SK, TR, UA, US, YU, ZA				
	RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
	HR 2001000146	A1	20021231	HR 2001-146	20010228
	HR 2001000146	B1	20051031		
	AU 2002233564	A1	20020912	AU 2002-233564	20020227
	HU 2003003319	A2	20040128	HU 2003-3319	20020227
	EP 1414835	A2	20040506	EP 2002-700494	20020227
	EP 1414835	B1	20050504		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, TR				
	ES 2240689	T3	20051016	ES 2002-700494	20020227
	RU 2270836	C2	20060227	RU 2003-122785	20020227
	US 2004077558	A1	20040422	US 2003-469253	20030828
	US 6852702	B2	20050208		
PRAI	HR 2001-146	A	20010228		
	WO 2002-HR10	W	20020227		
OS	CASREACT 137:201527; MARPAT 137:201527				

=> d 13 1-2 an ab

L3 ANSWER 1 OF 2 CA COPYRIGHT 2008 ACS on STN

AN 140:407071 CA

AB The invention relates to substituted 9a-N-[N'-(benzenesulfonyl)carbamoyl- γ -aminopropyl] and 9a-N-[N'-(β -cyanoethyl)-N'-(benzenesulfonyl)carbamoyl- γ -aminopropyl] derivs. of 9-de-oxo-9-dihydro-9a-aza-9a-homo-erythromycin A and 5-O-desosaminy-9-de-oxo-9-dihydro-9a-aza-9a-homo-erythronolide A, novel semisynthetic macrolide antibiotics of the azide series, of the formula I, wherein R represents H or cladinosyl moiety, R1 represents H or β -cyanoethyl group and R2 represents H or fluoro, chloro and Me group, and pharmaceutically acceptable salts thereof with inorg. or organic acids, to the process for the preparation of pharmaceutical compns. as well as to the use their compns. for sterilization rooms and medical instruments as well as for protection of wall and wooden coatings. Test substances of title macrolide glycosides were active on susceptible strains of *S. pyogenes* (MIC 0.125 to 4.0 mg/L), and on susceptible strains on *S. pneumoniae* (MIC 0.125 to 8.0 mg/L). MIC values on susceptible *S. aureus* strains were from 1 to 16 mg/L. Substances showed strong antimicrobial activities on most tested Gram neg. strains; *M. catarrhalis* MIC from 0.25 to 16 mg/L, *E. coli* from 8 to 16 mg/L, *E. faecalis* from 2 to 8 mg/L.

L3 ANSWER 2 OF 2 CA COPYRIGHT 2008 ACS on STN

AN 137:201527 CA

AB The invention relates to 9a-N[N'-(phenylsulfonyl)carbamoyl] derivs. of 9-deoxo-9-dihydro-9a-aza-homoerythromycin A and 5-O-desosaminy-9-deoxo-9-dihydro-9a-aza-9a-homoerythronolide A, novel semisynthetic macrolide antibiotics from the class of azalides, of the general formula I wherein R1 denotes H, C1-C4alkyl or halogen and R2 denotes H or cladinosyl radical, to their pharmaceutically acceptable addition salts with inorg. or organic acids, to intermediates and methods for their preparation, to a process for the preparation of pharmaceutical compns.

as

well as to the use of pharmaceutical compns. in the treatment of bacterial infections. Thus, 9-deoxo-9-dihydro-9a-N-[N'-(4-chlorobenzenesulfonyl)carbamoyl]-9a-aza-9a-homoerythromycin A was prepared by

condensation reaction of 9-deoxo-9-dihydro-9a-azahomoerythromycin A with 4-chlorobenzenesulfonyl isocyanate. These glycoside macrolides were used as antibacterial agents (no data).